

Appl. No. : Unknown
Filed : Herewith

AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows. Insertions are shown underlined while deletions are ~~struck through~~. Please add Claims 11-22.

1 (original): An electrode comprising a porous conductive substrate as well as an electrode active material and a conductive auxiliary filled in the pores in the substrate.

2 (original): The electrode as claimed in Claim 1, wherein the porous conductive substrate is a carbon fiber sheet.

3 (original): The electrode as claimed in Claim 1, wherein the porous conductive substrate before filling has a porosity of 50 to 85 %.

4 (original): The electrode as claimed in Claim 1, wherein the porous conductive substrate has a filling rate of 5 % or more.

5 (original): The electrode as claimed in Claim 1, wherein a rate of the conductive auxiliary to the electrode active material is 50 % by weight or less.

6 (original): The electrode as claimed in Claim 1, wherein the electrode active material is a proton-conducting compound which is subjected to an oxidation-reduction reaction with ions in an electrolyte.

7 (original): The electrode as claimed in Claim 1, comprising at least one of particulate carbon and fibrous carbon as the conductive auxiliary.

8 (currently amended): An electrochemical cell, wherein at least one of electrodes is the electrode as claimed in ~~any of Claims 1 to 7~~Claim 1.

9 (original): The electrochemical cell as claimed in Claim 8, wherein the electrochemical cell is a secondary battery.

10 (original): The electrochemical cell as claimed in Claim 8, wherein the electrochemical cell is a capacitor.

11 (new): An electrode comprising:

a conductive thin sheet having a porous structure;

proton-conducting particles; and

conductive auxiliary particles, wherein the proton-conducting particles and the conductive auxiliary particles are dispersed and filled uniformly in the porous structure of the conductive thin sheet.

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12 (new): The electrode as claimed in Claim 11, wherein the conductive thin sheet has a porosity of 50 to 85 % before filling.

13 (new): The electrode as claimed in Claim 11, wherein the conductive thin sheet is filled with the proton-conducting particles and the conductive auxiliary particles at a filling rate of 5 % or higher.

14 (new): The electrode as claimed in Claim 11, wherein the conductive auxiliary particles are used less than the proton-conducting particles by weight.

15 (new): The electrode as claimed in Claim 11, wherein the conductive thin sheet is a carbon fiber nonwoven sheet.

16 (new): An electrochemical cell comprising electrodes, wherein at least one of said electrodes is the electrode as recited in Claim 2.

17 (new): An electrochemical cell comprising electrodes, wherein at least one of said electrodes is the electrode as recited in Claim 3.

18 (new): An electrochemical cell comprising electrodes, wherein at least one of said electrodes is the electrode as recited in Claim 4.

19 (new): An electrochemical cell comprising electrodes, wherein at least one of said electrodes is the electrode as recited in Claim 5.

20 (new): An electrochemical cell comprising electrodes, wherein at least one of said electrodes is the electrode as recited in Claim 6.

21 (new): An electrochemical cell comprising electrodes, wherein at least one of said electrodes is the electrode as recited in Claim 7.

22 (new): An electrochemical cell for a secondary battery, which comprises the electrode as recited in Claim 7.

23 (new): An electrochemical cell for a capacitor, which comprises the electrode as recited in Claim 7.